

4. (amended) The polynucleotide of Claim 1 wherein said polynucleotide is SEQ ID NO:1 from about nucleotide position 107 to about nucleotide position 460.

5. (amended) The polynucleotide of Claim 1 wherein said polynucleotide is SEQ ID NO:1 from about nucleotide position 107 to about nucleotide position 472.

11. (amended) The recombinant expression vector of Claim 8 wherein the vector portion of said expression vector is selected from the group consisting of pProEx1 and pcDNA3.1.

12. (amended) The recombinant expression vector of Claim 9 wherein the vector portion of said expression vector is selected from the group consisting of pProEx1 and pcDNA3.1.

13. (amended) The recombinant expression vector of Claim 10 wherein the vector portion of said expression vector is selected from the group consisting of pProEx1 and pcDNA3.1.

23. (amended) A method for producing a polypeptide containing at least one human endosulfine epitope comprising incubating host cells transformed with an expression vector wherein said expression vector comprises a nucleotide sequence which encodes a human endosulfine, and producing said polypeptide.

24. (amended) The method of Claim 23 wherein said nucleotide sequence which encodes a human endosulfine has the sequence SEQ ID NO:2 and complements thereof.

Please add the following new claims:

41. (New) The polynucleotide of Claim 1 wherein said polynucleotide encodes the amino acid sequence of SEQ ID NO:3.

42. (New) The polynucleotide of Claim 1 wherein said polynucleotide encodes the amino acid sequence of SEQ ID NO:4.